

# **PUBLIC NOTICE**

**PERMIT APPLICATION:** NRS # 04.076

**APPLICANT:** Columbia Wastewater Treatment System  
Mike Anderson, Director  
1244 Treatment Plant Road  
Columbia, TN 38401  
(931) 388-2419

**LOCATION:** Little Bigby Creek and Unnamed tributaries to Little Bigby Creek  
Maury County

**WATERSHED DESCRIPTION:** Little Bigby Creek is located in the Upper Duck watershed (HUC 060400327) and is fully supporting its designated water quality uses (domestic water supply, industrial water supply, fish and aquatic life, recreation, livestock watering and wildlife, and irrigation). The Little Bigby channel varies from approximately 20 to 35 feet wide at the crossing sites and the substrate is bedrock at some sites and dominated by gravel in other sites. The surrounding land use is primarily agricultural, residential and a golf course.

**PROJECT DESCRIPTION:** The project involves the removal and replacement of six existing gravity sewer line stream crossings of Little Bigby Creek with larger diameter pipes. One of these crossings will replace 350 feet of sewer line presently located within the creek channel. There are also six new gravity sewer line crossings proposed, two on Little Bigby and four on tributaries to Little Bigby. The applicant proposes to separate the work from the flowing water by use of a clean material cofferdam and a pipe to carry the flow.

**PERMIT COORDINATOR:** Juliana W. Kyzar

**UGGS TOPOGRAPHIC QUADRANGLE:** Godwin 57-NE

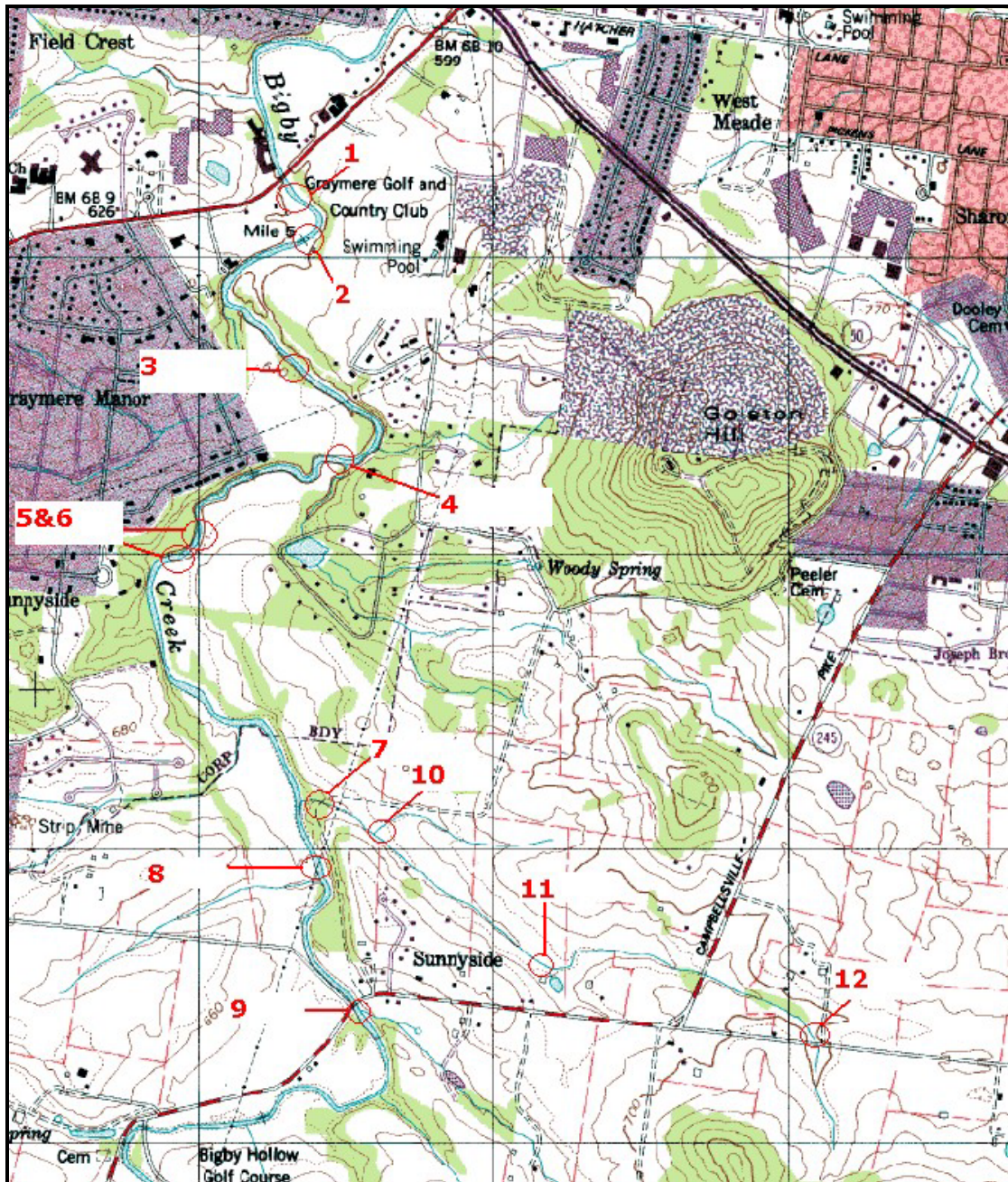


Figure 1: Topographic map with the 12 sewer line crossings indicated

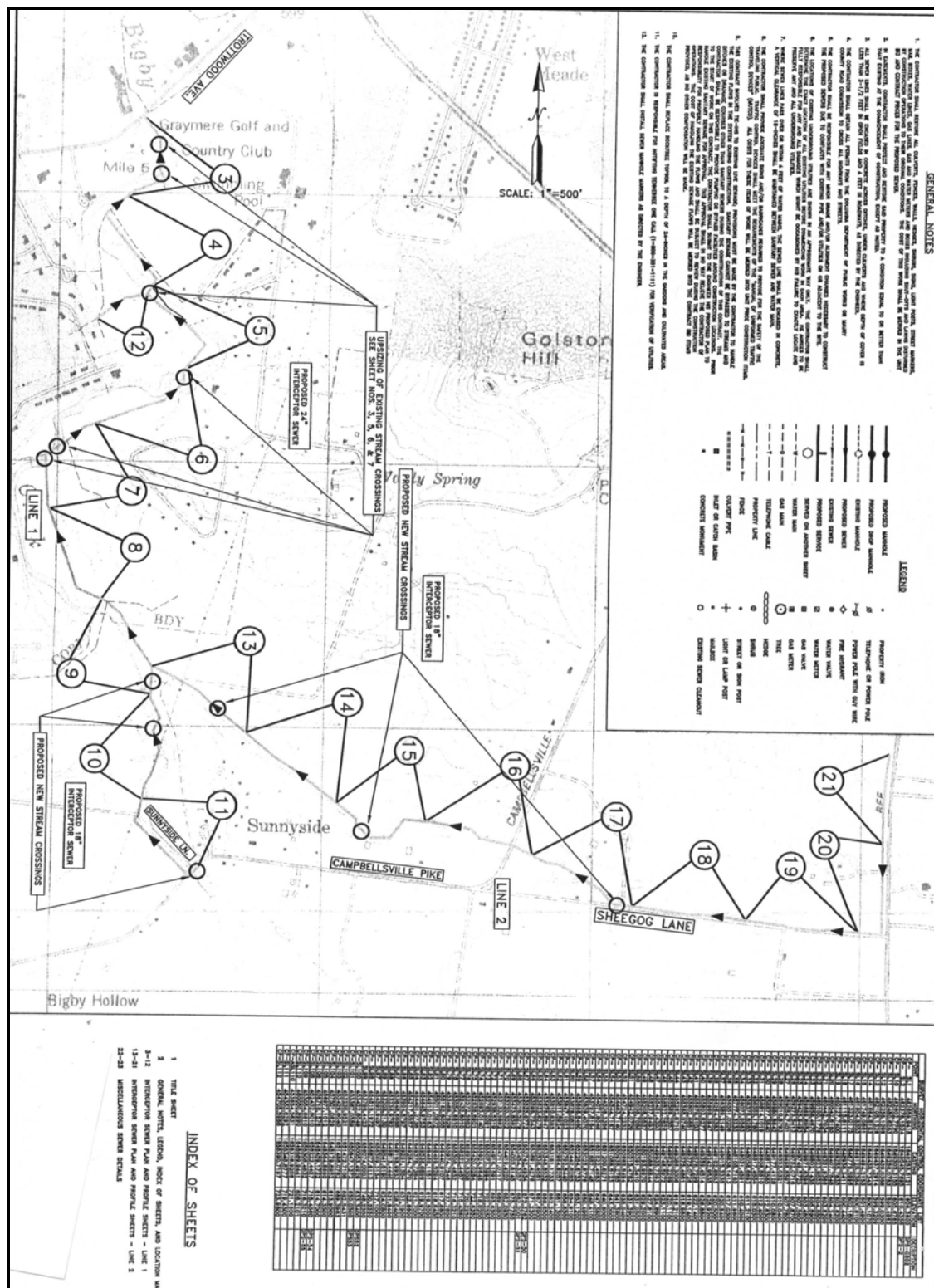


Figure 2: General notes and index of sheets and location map



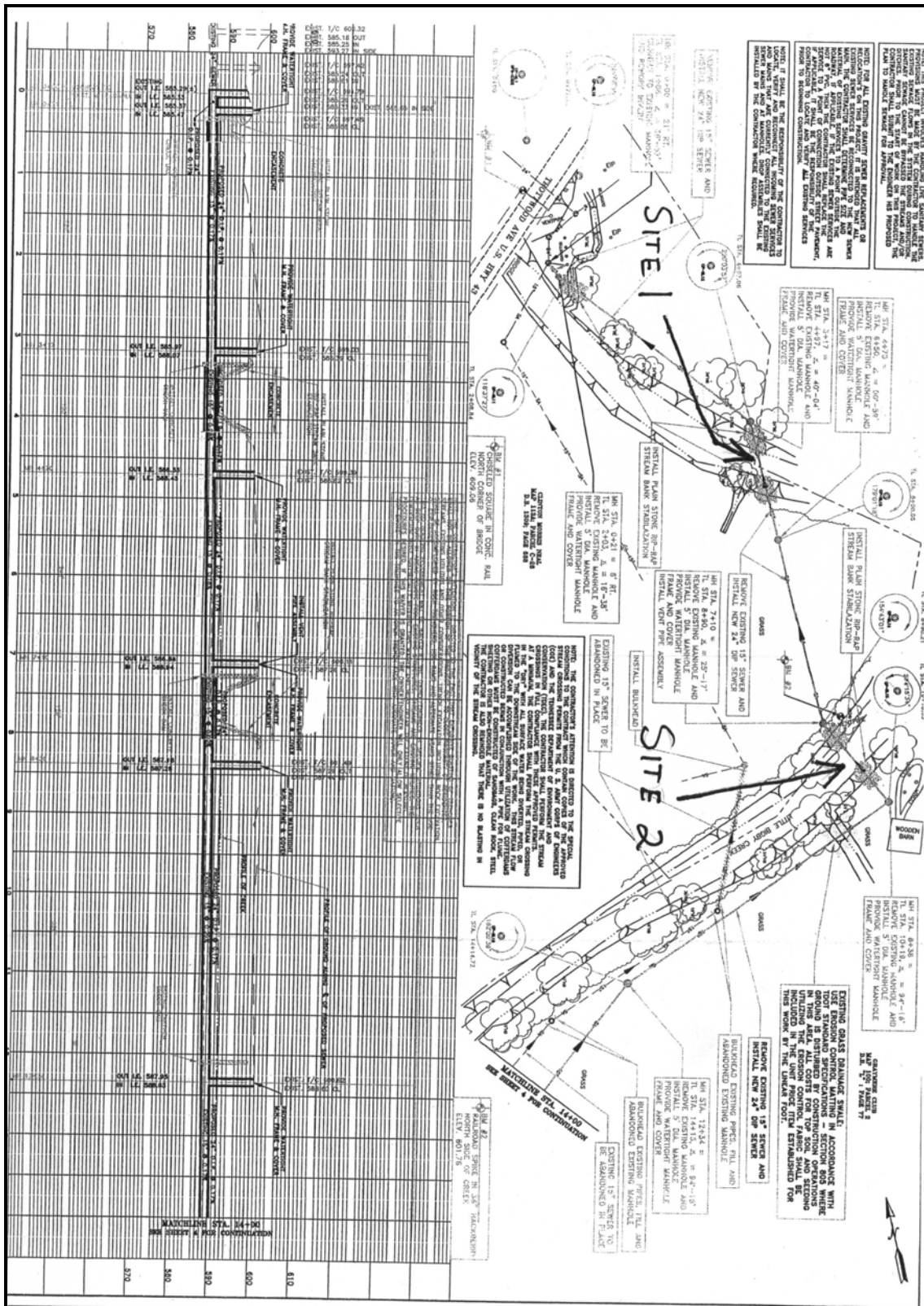


Figure 3: Plan sheet 3, sites 1 and 2 on Little Bigby (replacement crossing)



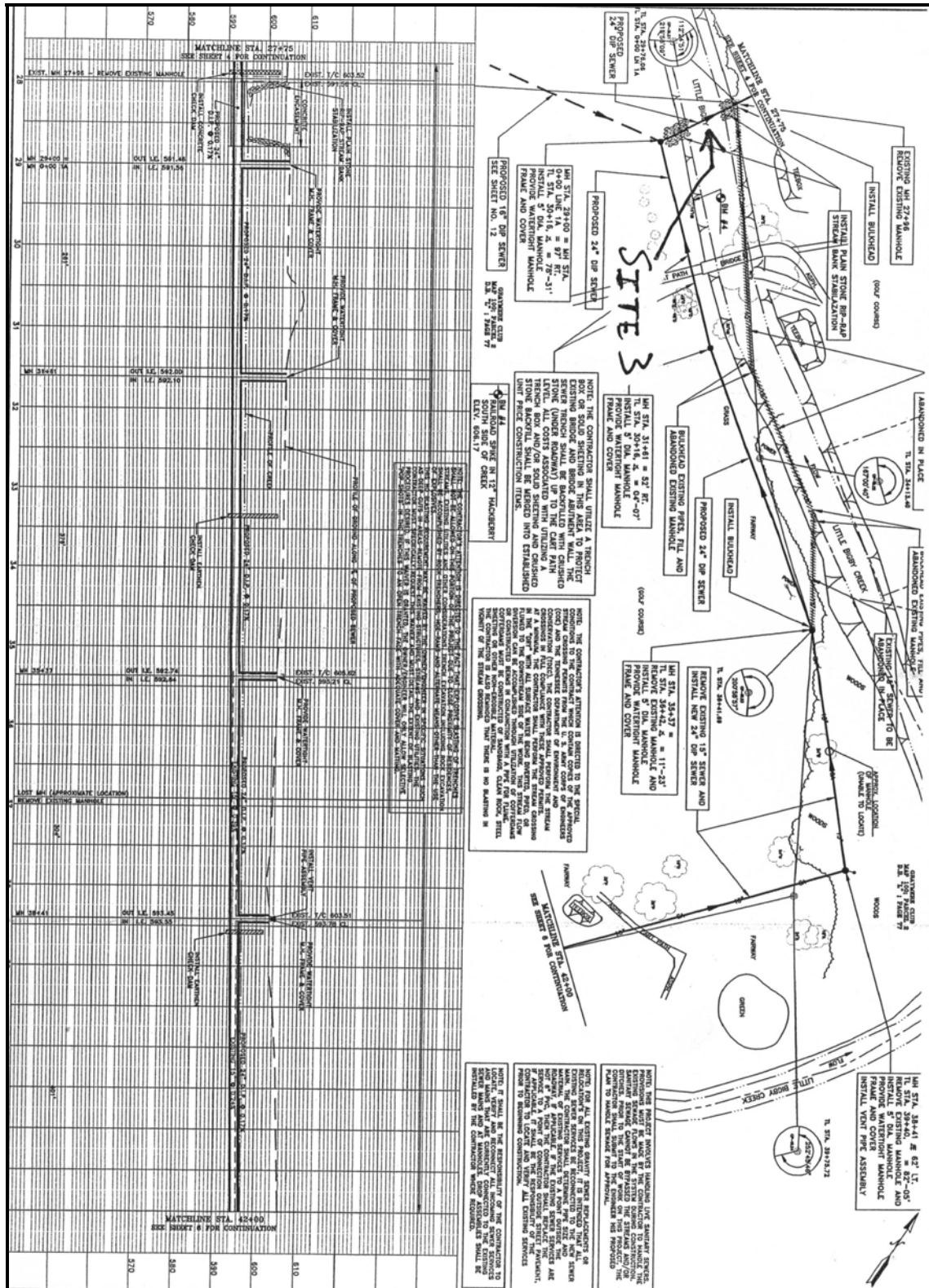


Figure 4: Plan sheet 5, site 3 on Little Bigby (replacement crossing)

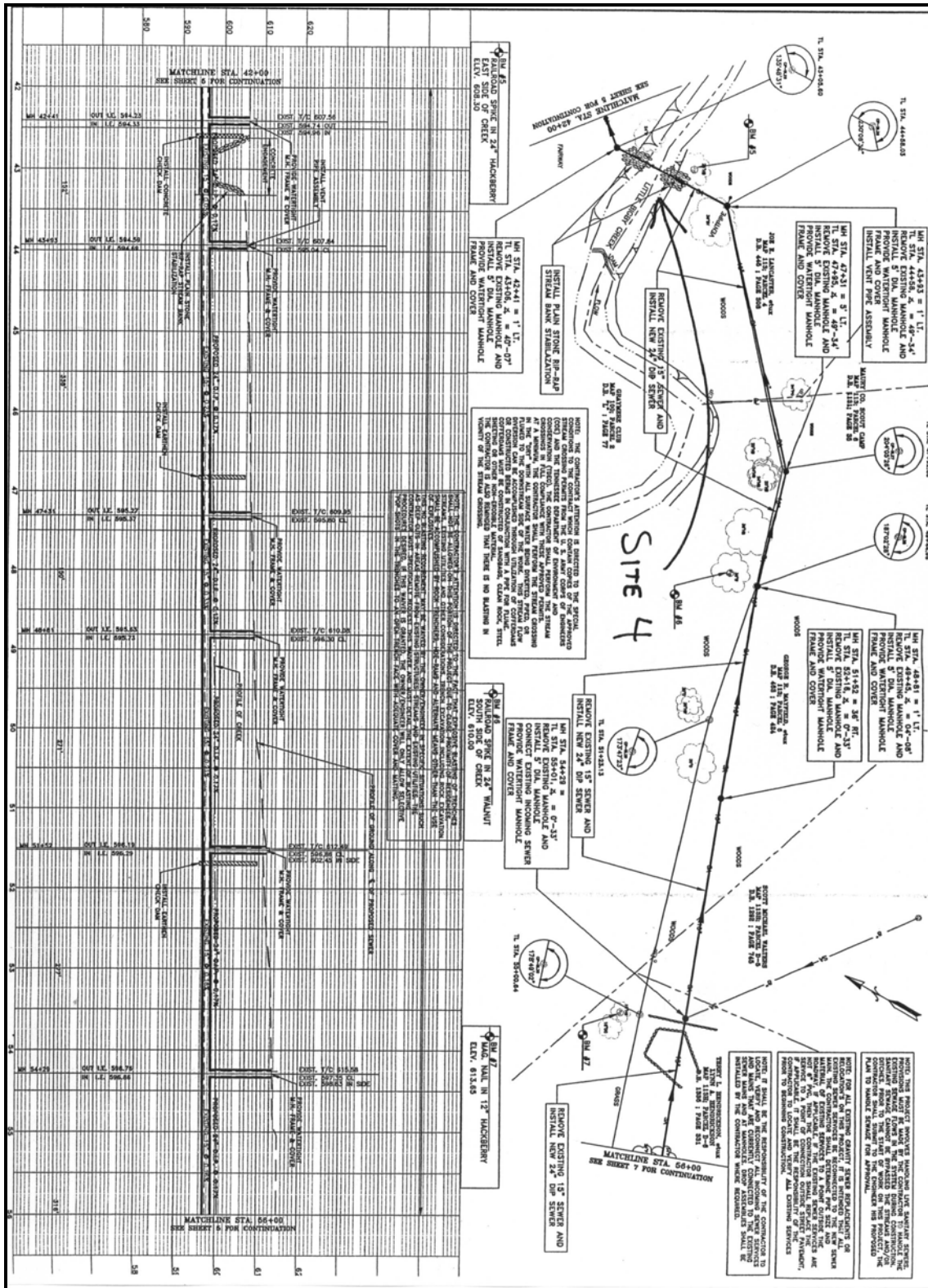
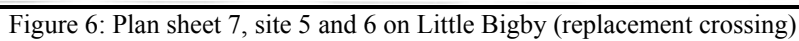


Figure 5: Plan sheet 6, site 4 on Little Bigby (replacement crossing)





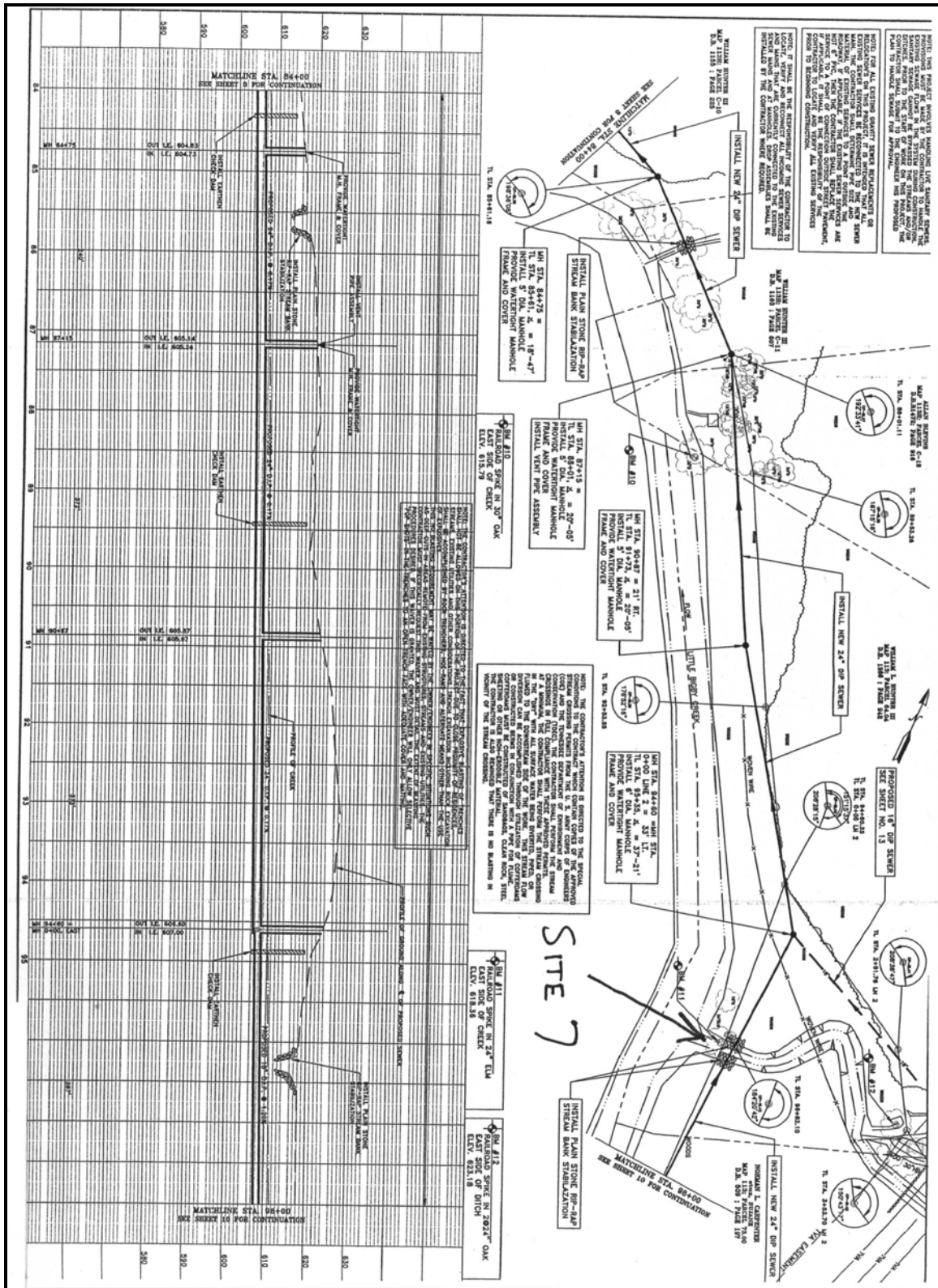


Figure 7: Plan sheet 9, site 7 on Tributary to Little Bigby (1) (new crossing)

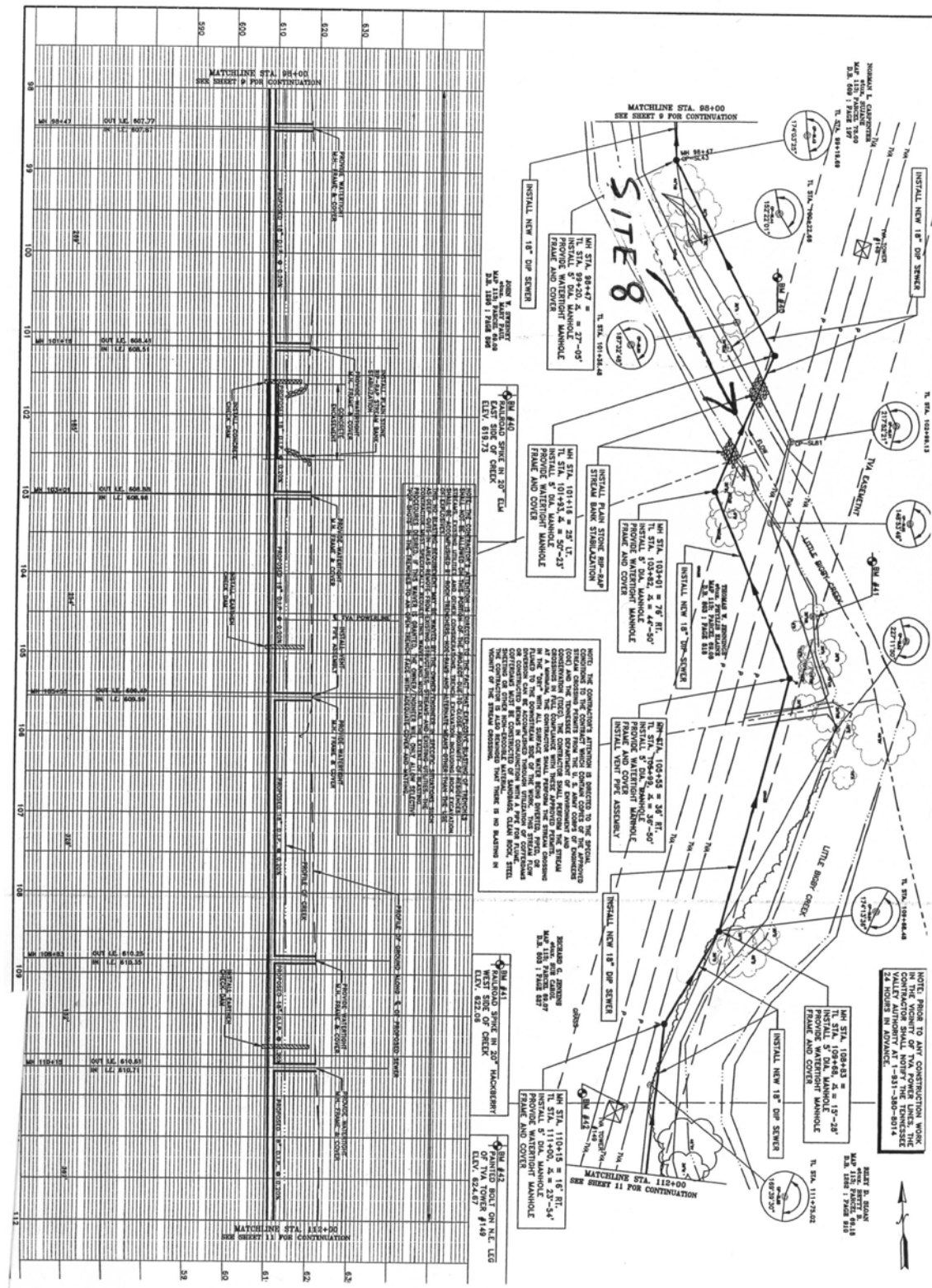


Figure 8: Plan sheet 10, site 8 on Little Bigby (new crossing)

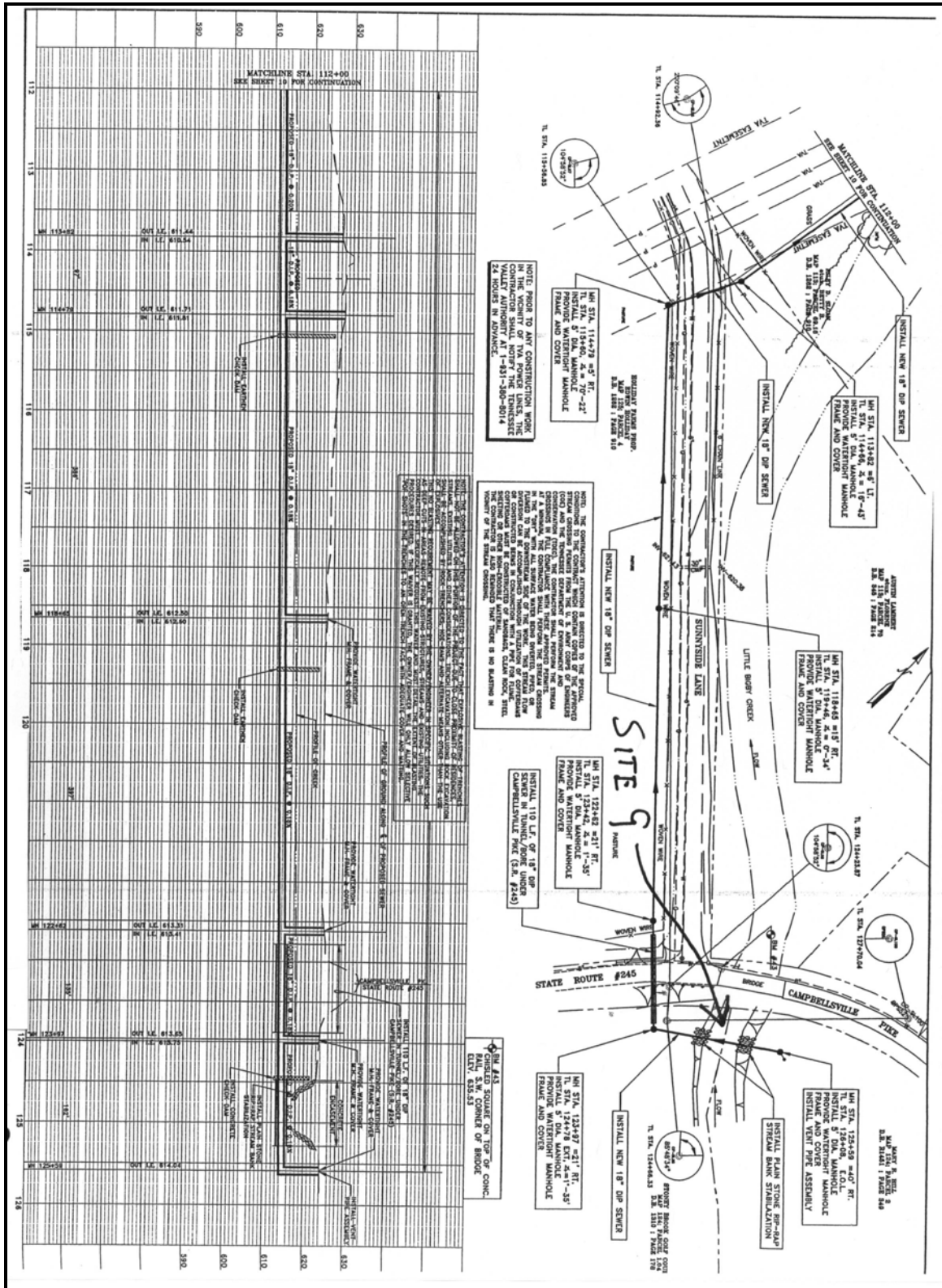


Figure 9: Plan sheet 11, site 9 on Little Bigby (new crossing)



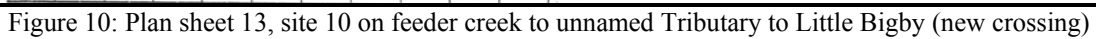


Figure 10: Plan sheet 13, site 10 on feeder creek to unnamed Tributary to Little Bigby (new crossing)

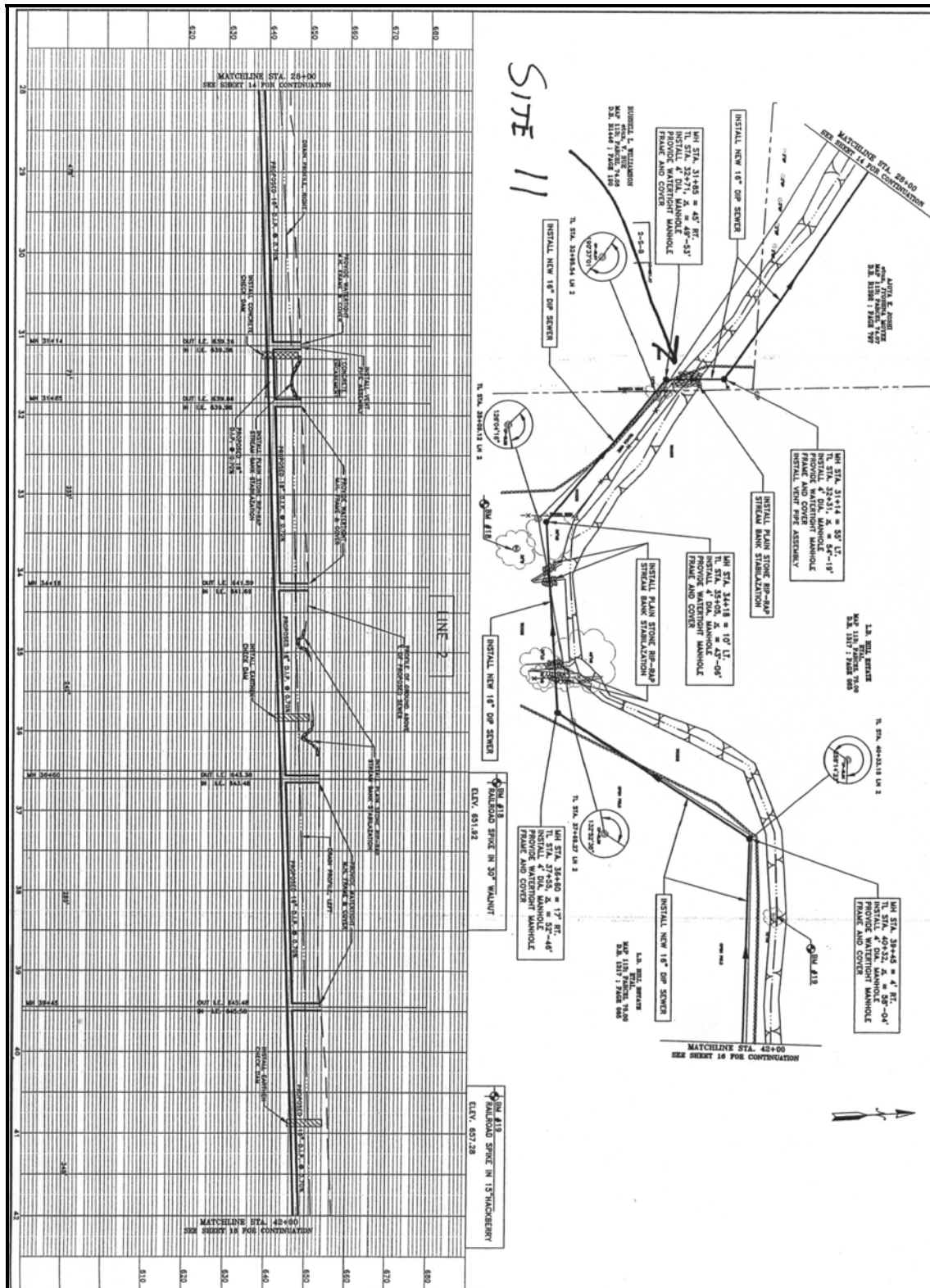


Figure 11: Plan sheet 15, site 11 on Unnamed Tributary to Little Bigby (new crossing)

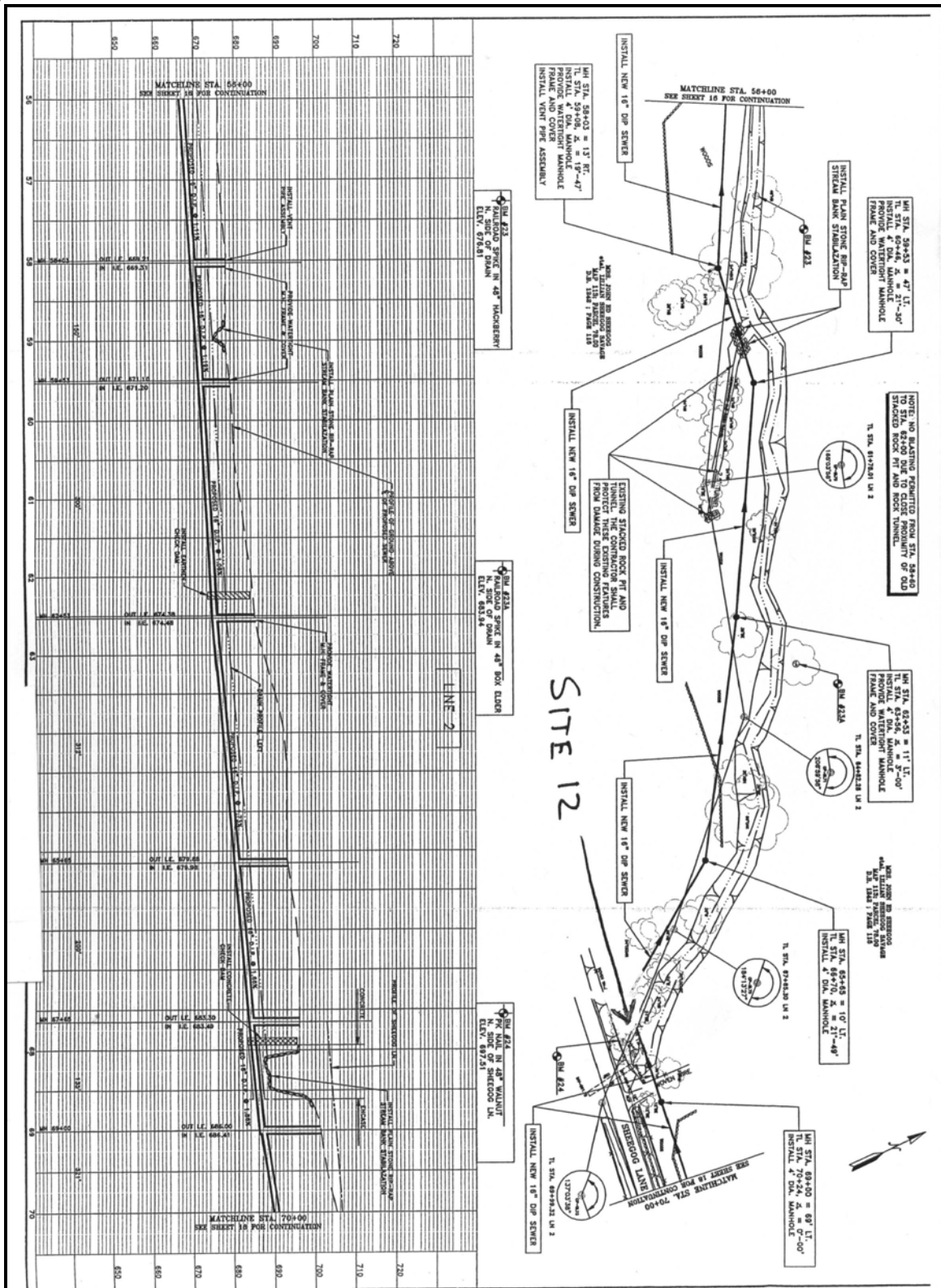


Figure 12: Plan sheet 17, site 12 on Unnamed tributary to Little Bigby (new crossing)



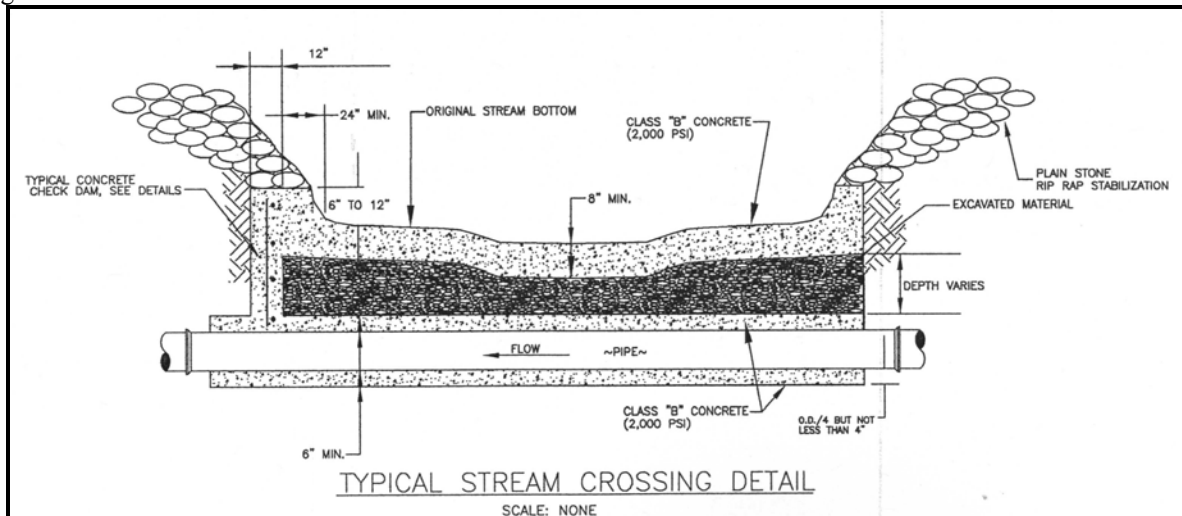


Figure 13: Typical stream crossing detail

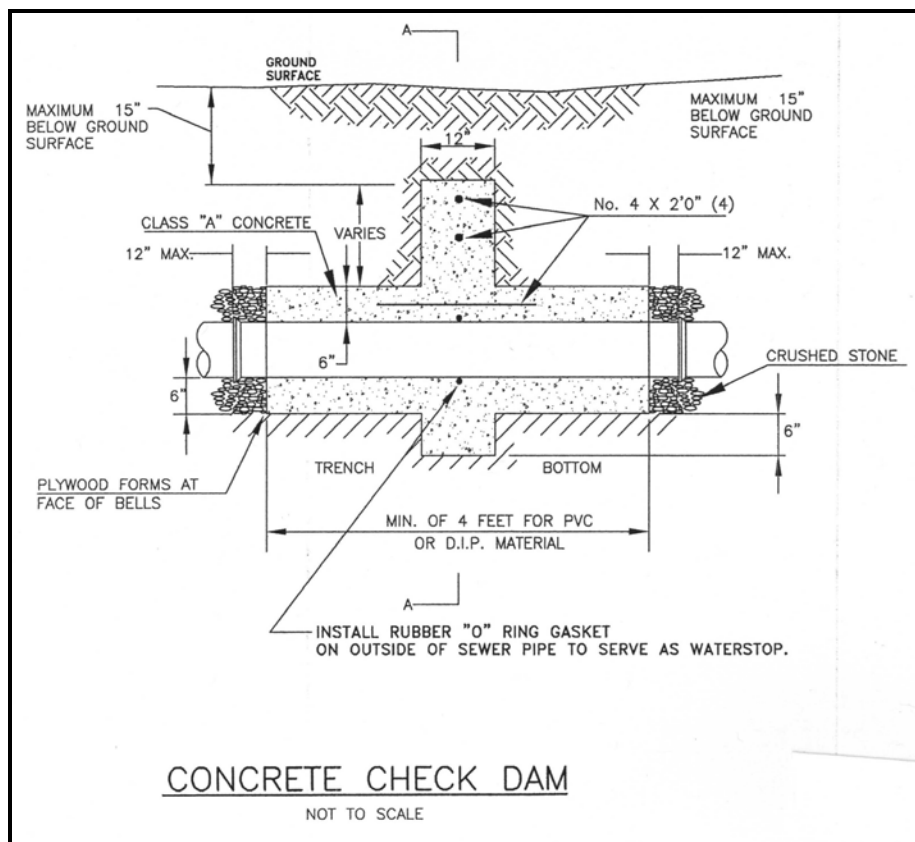


Figure 14: Concrete check dam

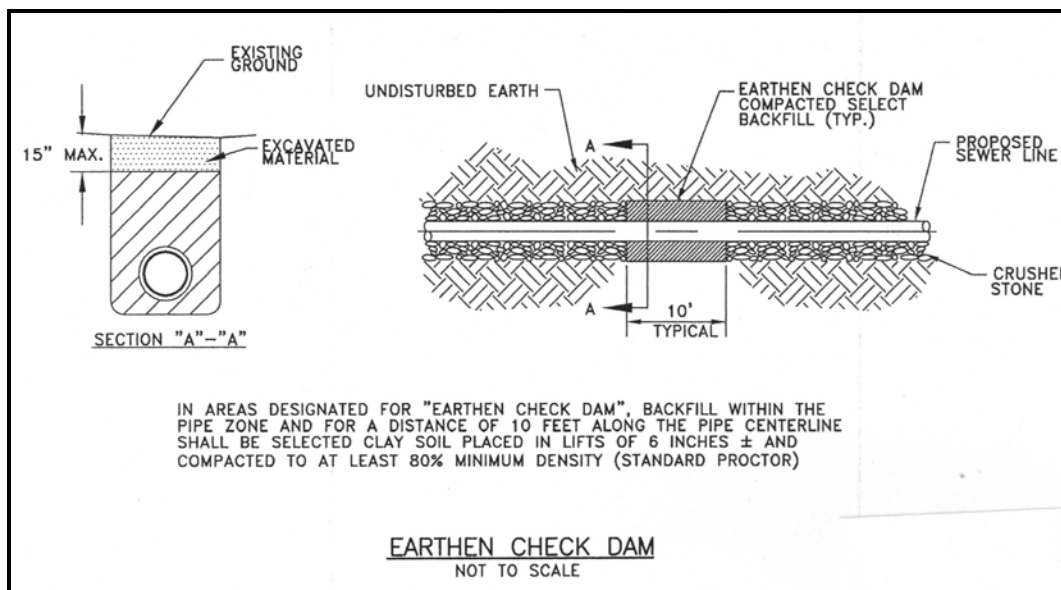
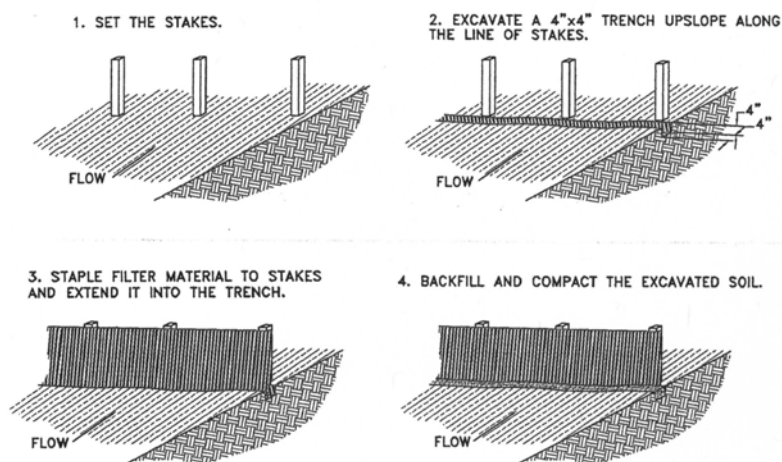
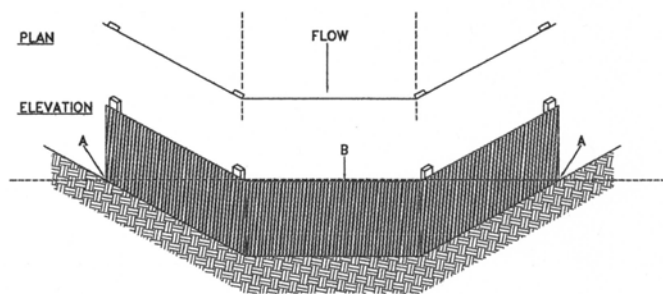


Figure 15: Earthen check dam



**CONSTRUCTION OF A FILTER BARRIER**



POINTS "A" SHOULD BE HIGHER THAN POINT "B".

**PROPER PLACEMENT OF A FILTER BARRIER IN A DRAINAGE WAY**

**SILTATION FENCE**

Figure 16: Siltation fence

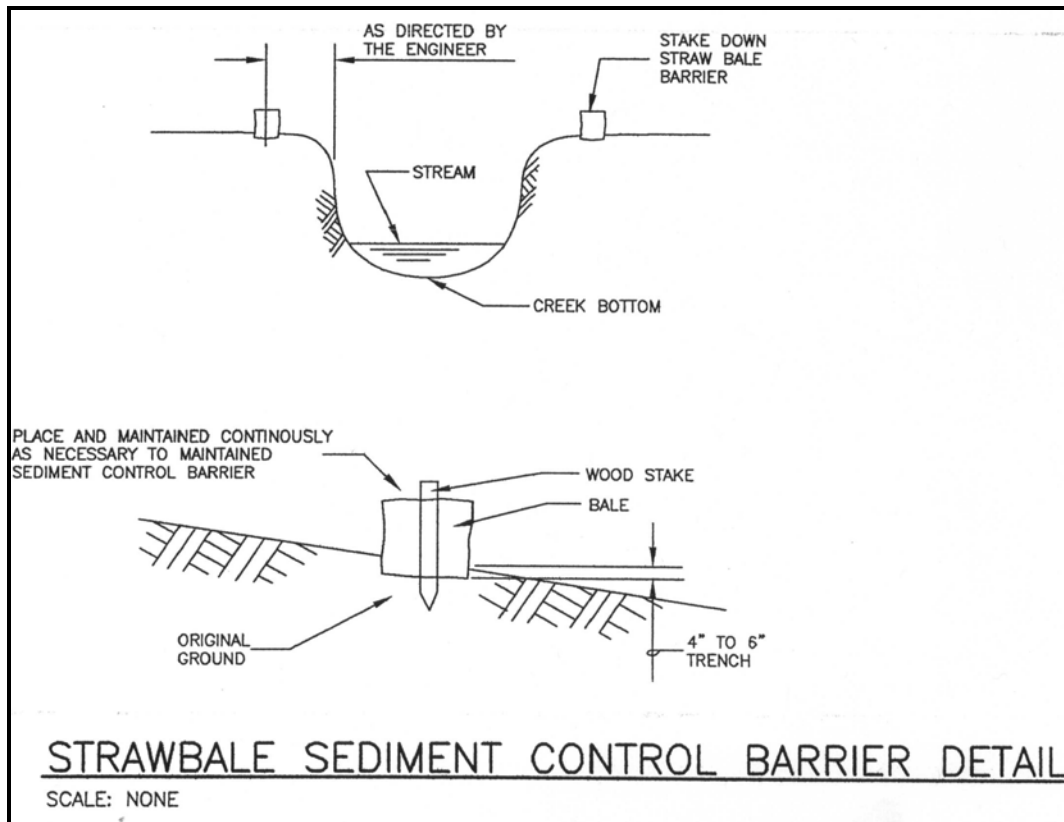


Figure 17: Sediment control detail